

The Synthesis of 3-Methylhexadecan-1,16-Dioic Acid, by
I. K. Sarysheva, G. A. Shapenshtein, M. G. Pleshakov,
3 pp. et al.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 8, 1950,
pp 2539-2541.

CB

3ci

168,811

3ep 61

Dynamics of Shifts in Total Protein and Protein
Fractions of the Blood Serum in Different Phases
of Leukosis in Children, by V. P. Shapet'ko.
RUSSIAN, per. Peditria, Vol 43, No 2, 1964,
pp 74-76.

HEM-1115

11-7-67

V. P. Shapet'ko

Sol-8 and 15
Jan 68

346.933

Soviet Labor and Wages, As Seen in Four
Editions of "Politicheskaya Ekonomiya,"
by K. V. Ostrovityanov, D. T. Shapilov,
et al., 97 pp. FOR OFFICIAL USE ONLY

RUSSIAN, bk, Moscow, 1954-1959.

CIA/FDD Sum 3628

USSR
Econ - Labor

199,528

<p>Shapkin, I.F. ENSAYOS SOBRE EL EMPLEO DE LA CORRECCION FOSFATO-SILICICA (Opyt Primeneniya Fosfatno- Silikatnogo Korrektirovaniya) (Tests on the Utili- zation of Phosphate-Siliceous Adjuster). 13p. 2refs. CID:63-339. Order from OTS, ETC or CID \$1.60 TT-63-26739</p> <p>Trans. in Spanish of Energeticheskii Byulleten' (USSR) 1952, no.12, p.7-12.</p> <p>DESCRIPTORS: Control, *Phosphates, Silicon, *Control systems.</p> <p>(Engineering--Electrical, TT, v. 11, no. 11)</p>	<p>TT-63-26739</p> <p>I. Shapkin, I.F. II. CID 63-339 III. Centro de Información y Documentación, Madrid</p> <p>Office of Technical Services European Translations Centre</p>
--	---

A New Reaction for the Substitution of Alcoholic
Hydroxyl by Fluorine and its Use, by A. I. Titov,
G. N. Voremyev, V. V. Smirnov, O. D. Shapilov,
4 pp. 1957

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXIII, No 2,
pp 358-360.

Consultants Bureau

Sci - Chem
Aug 50

69, 076

(NY-5100)

Time Lost in Winter Repair of River
Tankers, by V. Syaranov, V. Shapinskiy,
I. Dobritskiy, 3 pp.

RUSSIAN, mp, Vodnyy Transport, 16 Nov 1961.

JPRS 13285

USSR
Econ
Apr 62

190,173

(NY-6401)

Budget of Kuypat Cholim Must Be Balanced
From Members' Dues, by Y. Shapira, 3 pp.

HEBREW, np, Davar, 21 Nov 1961, p 5.

JPRS 12679

NE/Afr - Israel
Econ
Mar 62

188,637

Application of Method of Engineer F. L. Kovalev in
Mechanized Earthwork, by Shapiro, I. A.

RUSSIAN, per, Mekhanizatziya Stroitel'stva, 1951, No 3,
pp 5-8.

Sci Museum Lib No 52/0470

A 10729

The Determination of Nonmetallic Inclusions
in Steel, by Shapiro. UNCLASSIFIED

RUSSIAN, handbook, The Metallurgy and Heat
Treatment of Steel and Cast Iron, 1957, Chap X,
pp 112-116.

~~Ge-ep Tr Scheme~~

~~Tr 904~~

British Iron and Steel Inst 904

Min/
Sci - Met

Jun 58

(12.10.0)

64,695

Infectious Anemia, by Ya. Kolyakov, A. Pinus, A.
Shapiro. UNCLASSIFIED

RUSSIAN, bk, Veterinarnyi Entsiklopedicheskiy Slovar,
Vol I, 1950, pp 386-393.

USDA

Scientific - Medicine
June 54 CTS/DMX

14,896

Computer Calculation of Temperature Distribution
in Cupolas, by L. M. Marienbakh, A. M. Shapiro.

RUSSIAN, per, Lit Proiz, Sep 1960, pp 25-28.

HB 5125

Sci - Engr

Jun 61

156 913

Diffusion Kinetics for a Surface of Unequal Accessibility, by O. M. Todes, A. P. Shapiro, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 2, 1960, pp 324-332.

CB

Sci
Jul 61

162,787

Tetradymite Flotation, by V. I. Zelenov, A. P. Shapiro, 3 pp.

RUSSIAN, per, Tsvetnye Metally, Vol I, No 6, 1960, pp 14-17.

Primary Sources

Sol
Feb 61

140,255

Attacking a Target from Below by the Combat-Ramp
Method by G. F. Voloshenko, A. Sh. Shapiro, 3 pp.

RUSSIAN, per, Vest Voz Flota, No 4, 1958, pp 33-34.
CIA 615891

ATTC

USSR
Military
Sci - Aeronautics
Oct 58

74, 356

(NY-5330)

How to Improve the Operation of Kolkhoz-type
Rediffusion Stations, by A. V. Radzilevskiy, Ye. A.
Shapiro, 13 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1954.

JPRS 7112

Sci

Feb 61

140,698

A New Electrical Proportional-Action Effector, by
V. I. Litvak, A. Ya. Shapiro, 4 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 2,
1960, pp 253-256.

Instru Soc of Amer

Sci

Apr 60

112,514

Study of Adipose Tissue Metabolism, by B. Shapiro,
G. Rose,

^ HREHSH, paper P/776, Proceedings of International
Conference on Peaceful Uses of Atomic Energy Held
at Geneva 8-20 Aug 1955, Vol XII.

Internatl Conf -- UN

Sci - Nuclear Physics
Apr 57

CIA 1-669.9.162

46,805

An Electro-Acoustical Method of the Registration of
Detonations in Aviation Engines, by A. S. Sokolik, A
I. Sokolik, B. K. Shapiro, M. I. Rodman, 20 pp.

RUSSIAN, per, Tekh Vozdush Flot, No 5, 1947.

AMC F-TS-7368

Sci - Aero Engineering

A-9938

Changes in the Pancreas in Myocardial
Infarction, by B. M. Shapiro.
RUSSIAN, per, Arkhiv Patologii, Vol XXV,
No 11, 1963, pp 50-58.
OIS TT-64-19657
LOAN

Jan 67

317,531

Motions in the F-Region of the Ionosphere above
Tbilisi during the Eclipse of February 15, 1961
by B. S. Shapiro and V. M. Shashun'kina, 5 pp.

RUSSIAN, par, Geomagnet i Aeron, Vol I, No 5,
1961

AGU

Sci

Jun 63

342, 613

On Certain Results of Determining the Electron
Concentration of the Outer Regions of the Ionosphere
by Means of Observations of Radiom Signals From the
First Artificial Satellite, by Ya. L. Alpert,
B. P. Chudansenko, B. S. Shapiro, 26 pp.

RUSSIAN, par, Uspekhi Fiz Nauk, Vol LXV, 1958,
pp 161-174.

AEC/NP 152

Sci - Spac Res

Nov 58

76,460

(DC-1410)

The Development of Rolled Stock Production, by
B. S. Shapiro, 12 pp.

RUSSIAN, no per, Stal', Vol XVII, No 11, Moscow,
Nov 1957, pp 992-996.

US JPRS/DC-L-869

USSR

EEur - Germany, Poland, Rumania, Czechoslovakia
Econ - Ferrous Metallurgy

75,054

RESERVES OF ROLLING PRODUCTION FOR THE SERVICE
OF COMMUNISM, BY B. S. SHAPIRO, 7 PP.

RUSSIAN, PER, METALLURG, NO 11, NOV 1962,
PP 6-8.

JPRS 16869

USSR

ECON

SCI - M/M JAN 63

218,683

(NY-6686)

Investigation of the Distribution of Ioniza-
tion With the Height, by B. S. Shapiro,
13 pp.

RUSSIAN, bk, Issledovaniya Ionosfery, IGY Program
Part V, No 3, 1960, *pp 7-12*

JPRS 10930

Sci - Geophys
Dec 61

175, 570

Results of Investigations of the Outer Region of the
Ionosphere According to Observations of Radio
Signals of the First Artificial Earth Satellite, by
Ya. I. Al'pert, B. P. Chudsenko, B. S. Shapiro,
73 pp. UNCLASSIFIED

RUBINAI, pamphlet, Prade aritel'nyye Itogi Nauchnykh
Issledovaniy i Prazdnich'yu Pervykh Sovet Ikhosat
Sputnikov Zemle i Rakot, Sbornik Statey, No 1,
Part II, 1958, pp 40-108.

Sci - Space Res
Oct 58

US JPRS/RY-72:

(NY-1877)

75,735

The Programming of Computations of Ionospheric True
~~XXXX~~ Heights on Electronic Computers, by B. S.
Shapiro, T. L. Vinnikova, 6 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III,
No 2, 1963, pp 269-276.

AGU

Sci
May 64

258,514

N(1)-Profiles of the Ionosphere over Moscow during
the Magnetic-Ionospheric Disturbances of November
1960, by N.I. Potapova, B.S. Shapiro, 9 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III,
No 1, 1963, pp 63-72.

AGU

Sci

May 64

258,4744

On the Results of a Determination of Electron
Concentration of the Outer Region of the Ionosphere
From Observations on the Radio Signals of the
First Earth Satellite, by Ya. L. Al'pert, F. F.
Dobryakova, E. F. Chudsenko, B. S. Shapiro.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
Jun 1958, pp 743-746.

IGY 32

Sci - Spec Res

Sep 58

73, 922

Calculation of the Efficiency of Shielding
Chambers, by D. N. Shapiro, 20 pp.

RUSSIAN, bimo per, Radiotekhnika, Vol X, No 4,
Apr 1955, pp 36-47.

ATIC F-TS-8641/V

Sci - Electronics
Feb 1957 CTS/dex

44, 415

TT-63-24460

Shapiro, E. A.
THE SORPTION PROPERTIES OF NERVE DURING
DEVELOPMENT OF A PESSIMUM IN A NERVE-
MUSCLE PREPARATION. [1963] [Ep] 11 refs
FASEB Manuscript no. S 123-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24460

Trans. of Tsitolgiya (USSR) 1962, v. 4, no. 4,
p. 449-451. (Abstract available)

DESCRIPTORS: *Absorption (Biological), *Nerves,
*Neuromuscular transmission, Biological stains,
Stimulation, Electrokymography, Histological
techniques.

A vital staining method was used to investigate the
changes in the sorption properties of the nerve during
the development of a pessimum in a nerve-muscle
preparation as a result of the prolonged application of
(Biological Sciences--Physiology. TT, v. 11, no. 6)
(over)

- I. Title: Pessimum
- I. Shapiro, E. A.
- II. FASEB-S-123-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

1078530

Office of Technical Services

(NY-3432).

Methods of Measuring Human Radioactivity, by L. I.
Zlobin, A. N. Pisarevskiy, E. I. Shapiro, V. A.
Shamov, 7 pp.

RUSSIAN, par, Medit Radiolog, Vol IV, No 6, 1959.

JPRS 2773

Sci - Medicine

Oct 60

130,972

Polymerization of Isopropyl Vinyl and Cyclohexyl Vinyl Ethers in Presence of 2,2-Azobis[2-Methylpropionitrile], by M. F. Shestakovsky, P. P. Sidelkovskaya, E. S. Shapiro, 4 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, Nov/Dec 1955, pp 1085-1090,
CIA 542764 C, reel 3.

Consultants Bureau

Sci - Chemistry

37,643

Aug 1956

Investigation of Lactones and Lactams, Communication 10. Addition of Hydrogen Sulfide to N-Vinyl Lactams, by M. F. Shostakovskiy, E. S. Shaviro, F. P. Sidel'kovskiy, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel ^(u) ~~Ph~~ ^{Ph} Nauk,
No 1, 1958, pp 68-74.

Consultants Bureau

Set - Chom

May 59

86, 871

Synthesis of Polyfunctional Sulfur Compounds from
Divinyl Ether and Hydrogen Sulfide, by E. P.
Shostakovskiy, E. S./Shapiro, E. V. Dubrova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 12,
pp 3311-3316

Consultants Bureau

Sci

Feb 60

109,000

Formation of Low-Molecular-Weight Polymers of
Vinyl Ethers in Presence of Benzoyl Peroxide, by
M. F. Shostakovskiy, E. S. Shapiro, P. P. Sidel-
kovskaya, 4 pp.

Full tr

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 3,
1956, pp 368-372. CIA 9000402

Consultants Bureau

Sci - Chemistry
Sep 56 CTS

38,661

Vinyl Ethers and Acetylene. Communication VII.
The Most Effective Catalysts for the Addition
of Hydrogen Sulfide to Vinyl Ethers in the
Direction Contrary to Markovnikov's Rule, by
K. F. Shostakovsky, E. N. Prilezhaeva, E. S.
Shapiro. 8 pp.
Full translation.

RUSSIAN, biko per, Iz Ak Nauk, Otdel Khim Nauk,
Jul/Aug 1955, pp 734-741. CIA C 41476

32,624
Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dec

Synthesis of Sulfur Compounds by the Aid of Vinyl
Ethers and Acetylene. Communication 7. Peculia-
rities of the Reaction of Addition, Contrary to
Markovnikov's Rule, of Hydrogen Sulfide to Butyl
Vinyl Ether, by M. F. Shostakovskiy, E. N.
Prilezhaeva, E. S. Shapiro, 10 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1954, pp 292-302. CIA D 151309

23,413

Consultants
~~XXXXXXXXXX~~ Bureau

Scientific - Chemistry

May 55 CTS/DEX

Chlorination of Diacetylene Synthesis of
Hexachloro-1,3-Hexadiene, by M. F. Shostakovskiy,
E. S. Shapiro, L. I. Simonina, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXVIII, No 1,
1958, pp 114-.

Consultants Bureau

Sci - Chem

Jun 59

88,822

Synthesis of Sulfur Compounds by the Aid of Vinyl Ethers and Acetylene. Communication 8. General Method for the Synthesis of 2-Alkoxyethanethiols, by M. F. Shostakovsky, E. N. Prilezhneva, E. S. Shapiro, 10 pp.

RUSSIAN, bimo par, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1954, pp 303-313. CFA D 15/309

23,318

Consultants Bureau

Scientific - Chemistry

May 55 CTS/DEX

Synthesis of Sulfur Compounds by the Aid
of Vinyl Ethers and Acetylene. Communication
6. Reactions of Thiols With Vinyl Ethers, by
M. F. Shostakovsky, E. N. Prilezhaeva, E. S.
Shapiro, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, Mar/Apr 1953, pp 357-367.

Consultants Bureau

Scientific - Chemistry

CTS/DEK 17,991

Synthesis of Sulfur Compounds by the Aid of Vinyl Ethers.
Communication 5. Some New α,β' -and β,β' -Dialkoxo
Derivatives of Diethyl Sulfide, by E.N. Prilezhaeva,
E.S. Shapiro, M. F. Shostakovsky, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 478-483.

Consultants Bureau

USSR
Scientific - Chemistry

Mar 54 CTS/DKX

10,218

(BC-6953)

XB
FERTILITY OF MALE MICE EXPOSED TO GAMMA RADIATION
DURING EMBRYONIC GROWTH AND THE VIABILITY OF THEIR
OFFSPRING, BY F. B. SHAPIRO, 14 PP.

RUSSIAN, PER, NAUCH DOK VYSS SHKOLY,
BIOLOGICHESKIYE NAUKI, NO 2, 1962, PP 104-108.

JPRS 14833

SCI - BIOLOGY

AUG 62

208,382

Fertility of Female Mice Irradiated ~~during~~^{before}
Fetal life and Viability of the Offspring, by
F. B. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXV,
No 4, 1959, pp 921-4.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 2,

Sci

Dec 59

101,867

S-5203

(NY-2619).

The Protective Action of Heroin on the Embryos of
White Mice in Total Irradiation of the Mother,
by F. B. Shapiro, 6 pp.

RUSSIAN, per, Medit Radiolog, No 3, 1959, pp 39-42.

JPRS-L-859-N

Sci - Medicine, Radiology
Jul 59

93, 410

Alteration in the Sex Ratio of Mice as a
Possible Result of Gamma-Irradiation of Embryos,
by F. B. Shapiro, N. I. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2,
1958, pp 215-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

Sci - Phys
Jul 59

91,771

Energy Dependence of Cross Sections for (n,γ)
Reactions on a Number of Odd-Z Nuclei, by Yu. P.
Popov, F. L. Shapiro, 9 pp.

RUSSIAN, per, M Zhur Ekspier i Teoret Fiz, Vol XLII,
No 4, 1962, pp 988-1000

AIP
Sov Phys - JETP
Vol XV, No 4

Scl
Sep 62

214,945

~~SECRET~~

Theory of the Diffusion of Thermal Neutrons Taking
Account of Velocity Distribution, by M. V. Kazarnovskiy.
P. L. Shapiro, 15 pp.

RUSSIAN, bk, Teoriya Diffuzii Teplovykh Neitronov s
Uchetom Raspredeleniya Skorostei, 1960. 9093900

AEC UCRL Tr-687

Sci - Phys
Dec 61

177,437

Neutron Spectrometry Based on the Measurement of
the Decelerating Time of Neutrons, by L. E.
Lazareva, E. L. Feinberg, F. L. Shapiro, 2 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 3, 1955, pp 381-383.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CTS

43,840

Increase of Intensity in Time of Flight
Measurements by Sweeping the Beam Over the
Target, by F. L. Shapiro, 8 pp.

RUSSIAN, par, Priory 1 Tekhnika Eksperimenta,
No 1, 1957, pp 33-36. 9202272

ADC-Tr-5540

Sci - Phys
6 Mar 63

~~123,779~~
124,214

Deviation from the $1/v$ Law in the Cross Sections of Slow
Neutron Reactions in Light Nuclei, by A. A. Bergman,
E. L. Shapiro, 33 pp.
RUSSIAN, per, Zh. Eksperim. i Teor. Fiz., Vol XL, 1961,
pp 1270-1281.

AEC-Tr-6153

Sci - NS
Feb 64

250, 523

The Mössbauer Effect, by F. L. Shapiro, 7 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXII, 1960,
pp 685-696.

AIP
Sov Phys - Uspekhi
Vol III, No 6

Sci

Jun 61

155, 616

Several Possibilities of Using Polarized
Thermal Neutrons in View of Parity Nonconservation
During β -Decay, by F. L. Shapiro, 33 pp.

RUSSIAN, ~~per~~, Uspekhi Fizicheskikh Nauk,
Vol LXV, No 1, 1958, pp 133-140.

AEC-tr-5332
PL-480

Sci
Jun 64

261,440

Cross Section of the Reaction $\text{He}^3(n,p)$ for the
Neutron Energies up to 25 kev (kilo electron Volt)
and the Excited He^4 Level, by A. A. Bergman, A. I.
Isakov, Yu. P. Popov, F. L. Shapiro, 10 pp.
UNCLASSIFIED

RUSSIAN, Phys Inst of P. N. Lebedev, Acad of Sci
USSR,

AEC/SCL-T-151

Sci - Nuc Phys

58,095

Feb 58

Several Possibilities of Using Polarized Thermal
Neutrons Connected With Nonconservation of Parity
During β -Decay, by F. L. Shapiro,

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXV, ^{No 1,} 1958,
pp 133-140. _↑

AEC Tr-3965

Sci - Chem

Apr 60

115 075

Average Neutron Velocities in Various Media,
by K. D. Tolstov, F. L. Shapiro, I. V. Stranikh,
22 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul
1955, Session of the Div of Physico-Mathematical
Sciences,

GPO

35,407
Consultants Bureau,
259 West 14th St,
New York 11, N.Y.

Sci - Nuclear Physics
#87 Rpts for \$350.00

Measurement of Temperature Effects in Uranium-
Graphite Subcritical Systems, by B. P. Adyasevich,
I. M. Frank, O. I. Kosinets, F. L. Shapiro, I. V.
Stranikh, K. D. Tolstov, 23 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul
1955, Session of the Div of Physico-Mathematical
Sciences,
35,400

GPO

~~Consultants Bureau~~
~~259 West 11th St,~~
~~New York 11, N.Y.~~

Sci - Nuclear Physics
*87 rpts for \$350.00

Measurement of the Effective Cross Section for the
the $Li^6(n,\alpha)$ Reaction for 2.5-Mev Neutrons, by
A. V. Klapidinskiy, F. L. Shapiro, I. V. Shtraniin,
11 pp.

RUSSIAN, per, Atomnaya Energiya, Supple No 5,
1957, pp 75-89. CIA 9033743

Consultants Bureau

Sci - Nuclear Phys
Nov 58

77,085

Investigation of the Parameters of Uranium-Graphite
Heterogeneous Systems by the Prism Method, by L. V.
Groshev, O. I. Kosinets, L. E. Lazareva, K. O.
Tolstov, E. L. Feynberg, I. M. Frank, F. L. Shapiro,
I. V. Stranikh, 30 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul
1955, Session of the Div of Physico-Mathematical
Sciences,

35, 411

GPO

Consultants Bureau
259 West 14th St,
New York 11, N.Y.

Sci - Nuclear Physics
#87 rpts for \$350.00

TT-68-63896

Field 13M

Shapiro, G. A.; Sokolov, M. E.
THE STRENGTH AND DEFORMATION OF HORIZONTAL
JOINTS IN LARGE-PANEL BUILDINGS (P Prochnosti i
Deformatsionov Gorizontalnykh Stykov Krupnopanelnykh
Zdanii). Tr.by V. McEachran. Aug. 64, 7p, 3 refs.
LC-1217.

Order from CFSI or ETC: HC81.10, MF80.60 as
TT-68-63896

Trans. of Beton i Zhelazobeton (USSR) v8 no p265-7 1963.
Available copy will not permit fully legible reproduction.

1. Department of Scientific and
Industrial Research
(Ox. Britain)

05227

Study of the Fine Structure of X-ray Absorption Spectra of Iron in Some Antiferromagnetic Substances and Ferrites, by E. E. Vainshtein, E. I. Kotlyar, G. A. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 1, 1959, pp 55-58.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 2

Sci

Dec 59

101,827

TT-65-63896

Field 13M

Shapiro, G. A.; Sokolov, M. E.
THE STRENGTH AND DEFORMATION OF HORIZONTAL
JOINTS IN LARGE-PANEL BUILDINGS (P Prochnosti i
Deformatsionost' Gorizontalnykh Stykov Krupnopanelnykh
Zdanii). Tr.by V. McEachran. Aug 64, 7p, 3refs.
LC-1217.
Order from C FSTI or ETC: HC\$1.10, MF\$0.50 as
TT-65-63896

Trans. of Beton i Zhelezobeton (USSR) v9 n6 p265-7 1963.
Available copy will not permit fully legible reproduction.

I. Department of Scientific and
Industrial Research
(Gl. Britain)

722/5196 1965(1217)

On a Rigid-Plastic Annular Plate Under Impulsive
Load, by G. S. Shapiro, 8 pp.

RUSSIAN, per, Prikl Mat i Mekh, Vol XXIII, No 1,
1959, pp 172-175.

PP

Sci - Math
Oct 59

99,110

Deflection of a Semi-infinite Plate Lying
On an Elastic Foundation, by G. S. Shapiro.

RUSSIAN, bimo per, Priklad Matemat i Mekh,
Vol VII, 1943,

OCF Tr 48

Scientific - Geophysics CTS 65/Feb 55

21,425

On Integration in Quadratures of Equation of
Plane Uniform Problem of Theory of Plasticity
With Account Taken of Hardening of Material,
by G. S. Shapiro, 7 pp.

RUSSIAN, bimo per, Prik Matemat i Mekh, Vol XIII,
Nov/Dec 1949, pp 659 - 662. CIA C 41504

8911354867

AEC-TR-1572

Lib Congen RT-914
NACA N-12274

Scientific - Engineering

~~Unpublished paper available on loan only~~

A-10788

Jan 1952 CS

R-2398

(2560-D).

The Iron Ore Base of the USSR Ferrous Metallurgy
and the Path of Its Growth in 1959-1965, by I.
Bardin, Ye. Moskal'kov, I. Shapiro, 17 pp.

RUSSIAN, per, Plan Khos, No 12, Moscow, 1958,
pp 16-27

JPRS L-1572-D

84, 764

USSR

Econ - Technological, Ferrous Metallurgy

Apr 59

Features of the Interrelationship of the Frit Fly
(Oscinella Frit L.) and Damaged Plants With
Reference to the Resistance to Maize to This
Pest, by I. D. Shapiro, 7 pp.

RUSSIAN, per, Entomlogicheskoye Obozreniye,
No 4, 1961, pp 794-806.

AIBS

Sci
Sep 62

211,715

The Use of Glass Pipelines in the Coke and
Chemical Industry, ~~XX~~ by I. E. Shapiro, E. G.
Izolova, 3 pp.

RUSSIAN, per, Koks i Khim, No 11, 1960,
~~XXXXX~~ pp 60-63.

CTRA

Sci

Jun 61.

157,392

62-16520

Shapiro, I. F.
CONCERNING THE PRODUCTION OF A THIN MATTER
SURFACE AT THE GRINDING OF GLASS. [1962] 9p.

I. Shapiro, I. F.

1 ref.

Order from CTS or SLA \$1.10

62-16520

Trans. of Russian language article from unidentified
source, n.d.

DESCRIPTORS: *Glass, Grinders, Corundum, Acrylic
resins, Polymers, Sheets, Abrasion, Industrial equip-
ment, Surfaces, Erosion, Production.

C227677

(Materials--Ceramics, TT, v. 9, no. 4)

Office of Technical Services

Welding of Glass Pipes and Fittings to Ducts,
by E. G. Frolova, G. V. Pototskaya, I. E.
Shapiro, A. N. Afanas'yev, 4 pp.

RUSSIAN, por, Steklo i Keramika, Vol XIV,
No 5, 1957, pp 24-27.

Consultants Bureau

Sci

Jun 60

118,231

Nonintestinal Digestion in Tarsoid Larvae of the
M. Placida and Its Biological Significance, by
I. E. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 1,
1959, pp 214-7

American Inst of Biol Sci

Sci.

Jan 60

106,887

(NR-6531)

Shortcomings in the Fish Industry of the
Kaliningradskiy Sovmarkhoz, by I. G. Shapiro,
8 pp.

RUSSIAN, per, Rybnoye Khozyaystvo, No 2, 1961,
pp 73-77.

Dept. Interior
AS36 454 9712

JPRS 9712

USSR
Ecom
Aug 61

163091

Certain Results on the Supercritical Flow Around
Turbine Cascades, by L. M. Zysina-Molozhen,
~~XXXXXXXXXXXX~~ I. G. Shapiro, 7 pp.

RUSSIAN, per, Teploenergetika, Vol II, No 3,
1955, pp 34-37.

CTA 4630 908

Morris D. Friedman

30,276

Scientific - Physics

Jan 56 CTS/DEX
\$3.50

(FEB ONLY CTA 12 430

DSI 334

Interferometric Investigation of the Flow Around
Cascades of Turbine Profiles by Trans and
Supersonic Flows, by V. A. Zysin, L. M.
Zysina-Molozhen, K. S. Poliakov, I. G. Shapiro, 11 pp.

RUSSIAN, per, Teploenergetika, Vol II, No 2, 1955,
pp 33-43.

Morris D. Friedman

Scientific - Physics

Jan 56 CTS/DEX

\$5.50

30,275-

Cytological Analysis of Changes Induced by Whole-Body
X-Irradiation in Epithelium of Mucosa of the Small
Intestine of the Mouse, by I. B. Smirnova,
I. M. Shapiro, 9 pp.

RUSSIAN, per, Radiobiologiya, Vol II, No 6, 1962,
pp 897-902.

AEC-Tr-5433

Sci -
Nov 63

241,897

(NY-6707)

International Symposium on the Primary and
Initial Processes Occurring in Living Cells
After the ~~XXXX~~ Effect of Ionizing Radiation
on Them, by I. M. Shapiro, 7 pp.

RUSSIAN, per, Medit Radiolog, No 2, 1961,
pp 91-93.

JPRS 10863

175,427

Sci
Dec 61

Regulation of Cell Division during Embryonic
Development of Loach (*Meigurnus fossilis* L.) from
Results of Radiation Experiments, by I. M. Shapiro,
E. Ya. Lander, (pp. 4).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No. 3,
1961, pp. 756-759.

AIBS

Sci

167,922

Sept 61

The Local and Remote Actions of X-Rays on Cell
Division, by I. M. Shapiro, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 4,
~~IKSXX~~ 1957, pp 760-.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70,327

The Nuclear Damage Caused to Resting Cells by
Ionizing Radiation, by I. M. Shapiro, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 3,
pp 681-.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 1

Sci - Phys

97,211

The Humoral Mechanism of Distant Effects of
Ionizing Radiations Upon the Process of Cell
Division (As Investigated With the Use of
Parabiosis), by I. M. Shapiro, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 3, 2 Sep/Oct 1957, pp 411.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 278

Chromosome Aberrations and Mitotic Activity in
Animals Protected from Ionizing Radiation by
Carbon Monoxide, in Relation to Recovery from
Radiation Damage, by I. M. Shapiro, M. M. Kon-
stantinova, 3 pp.3

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,
No 3, 1959, pp 654-.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 2

Sci

Dec 59

101,865

Experimental Infarcts of the Kidneys. Communication
I. Study of the Blood Supply to the Kidneys With
Infarct by Means of P^{32} -Marked Erythrocytes, by I. M.
Shapiro, E. I. Losev, H. H. Partskhaladse, 6 pp.

RUSSIAN, no per, Byul Eksper Biol i Med, Vol LXI,
No 8, Aug 1956, pp22-26.

Consultants Bureau

Sci - Med

56,178

Dec 57

The Effect of Various Anesthetics on the Development
of Toxic Pulmonary Edema Caused by Ammonium Chloride,
by Yu. I. Vilchynayev, N. I. Losov, I. M. Shapiro,
4 pp.

RUSSIAN, no per, Byul Eksper Biol i Med, Vol XLI,
No 6, Jun 1956, pp 42-44.

Consultants Bureau

55,145

Sci - Medicine
Nov 57

The Action of Ionizing Radiation on Cell Division:
an Investigation of Local and Remote Effects, by
I. M. Shapiro, 7 pp.

Russian.
~~Full Translation of Soviet Periodical Biofiz~~,
Vol III, No 4, 1958, pp 473-477.

Ferguson Inst

Sci - Biol

Apr 59

86,053

Experimental Renal Infarcts. Communication II.
Arterial Infarcts, by I. M. Shapiro, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIV,
No 8, 1957, pp 111-113.

Consultants Bureau

Sci - Medicine
Jul 58

66,233

Treatment of Cancer of the Prostate Gland, by I. M. Shapiro, V. I. Rozhdestvenskiy, 7 pp.

RUSSIAN, per, Voprosy Onkologii, Vol V, No 6, pp 710-716.

Pergamon Press

Sci

Apr 60

114,636

BD-540

(DC-2444)

Professor Iosif Naumovich Shapiro (70th Birthday),
3 f P

RUSSIAN, per, Urologiya, No 2, 1958, pp 92, 93.

✓
*US JPRS L-1648-D

USSR

Biogr

5 Dec 58

113
Lie Groups and Symmetry of Elementary Particles.
by I. S. Shapiro, V. B. Mandel'shtam. 50 pp.
RUSSIAN, rpt, Gruppy Li i Simmetriya Element-
arnykh Chastits, 1964, NP-14246. 9232860
AEC AIL-tr-307

I. S. Shapiro

Sci/Nuclear Sci
Jun 66

301,150

THE ORE BASE FOR THE FERRIOUS METALLURGY OF THE
USSR, BY I. S. SHAPIRO, 6 PP.

RUSSIAN, PER, METALLURG, NO 11, NOV 1962,
PP 9-10.

JPRS 16869

USSR
ECON
JAN 63

218,684